

Reamer with clamping arrangement for adjusting cutting insert and other cutting tools with clamping arrangements for adjusting cutting inserts

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Abstract

The invention relates to a chip removing tool comprising a tool shank which acts as a support for a perforated plate. The perforated plate is tensed by means of a screw connection passing through the orifice of the perforated plate and a through hole of the tool shank, containing a screw which is introduced from the side of the perforated plate, and a corresponding nut positioned beneath the tool shank inside the seat of the tool shank. The tensed perforated plate is adjusted in an effective manner in a direction of adjustment which is substantially radial in relation to the axis of rotation of the tool shank, whereby the contact surfaces between a) the screw head and the perforated plate and b) the head of the corresponding nut and the tool shank enable a pivotable movement of the screw connection following on from the adjustment movement, said screw connection consisting of a screw and a corresponding nut, as a result of crowning. The abstract is not intended to limit the claims in any manner and should not be interpreted as limiting the claims in any manner. The invention as described hereinabove in the context of the preferred embodiments is not to be taken as limited to all of the provided details thereof, since modifications and variations thereof may be made without departing from the spirit and scope of the invention.

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